

4012 - DIESEL GENERATOR MECHANIC

NATURE OF WORK

This is responsible journeyman's level skilled, technical and supervisory work in the installation, operation, maintenance, repair, and overhaul of continuous standby diesel powered generator sets and equipment. Work includes primarily field duties. Work involves the performance of and the direction of crews in the performance of all phases of the operation, care, and repair of generator sets, control and switch gear, and other related equipment.

ILLUSTRATIVE EXAMPLES OF ESSENTIAL DUTIES

Plans and supervises the work of crews involved in the installation, construction, inspection, maintenance, repair, overhaul, cleaning, and general care of all water and sewer electrical generator equipment, control equipment, and related equipment and facilities.

Trains and evaluates the work of skilled and unskilled workers.

Investigates indications and complaints of standby generator sets, and system malfunctions and failures, and other interruptions of service.

Transports portable generators and other equipment, and crews.

Conducts routine maintenance, including, but not limited to, maintaining coolant system, and lubricating, cleaning, and adjusting all types of generator related equipment.

Cleans, polishes, paints, maintains, and repairs generator and related facilities.

Establishes and enforces safety standards and safe operating procedures.

Prepares, maintains, and evaluates employee and equipment operations and performance records and reports.

Operates manual and electrical controls from a central control console or individual sites.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES

Thorough knowledge of: diesel engine components repair and overhaul standard operations and procedures; appropriate hand tools, power tools, materials, and machinery used to repair and overhaul diesel engine components, and skill in their use.

Considerable knowledge of: procedures and methods used in the installation, construction, operation, inspection, maintenance, trouble shooting, repair, overhaul, cleaning, and general care of diesel powered generator sets, control equipment, and related equipment; and ability to apply such knowledge of job-related hazards, dangers, and safety standards and procedures.

Knowledge of electricity and of methods and practices of the electrical trade.

Ability to: instruct, train, and supervise personnel in all areas of assignment in a manner which promotes high morale and effective performance.

4012 - DIESEL GENERATOR MECHANIC

Ability to direct, plan, and organize the work of skilled, semi-skilled, and unskilled employees involved in a variety of tasks.

Ability to evaluate the performance of employees, equipment, and operations.

Ability to analyze information from a variety of sources, assess a situation, use sound judgement in drawing valid conclusions, and take appropriate actions in situations which may involve the health and safety of citizens.

Ability to effectively prioritize duties when dealing simultaneously with numerous functions.

Ability to work from blueprints, plans, sketches, and manuals.

Ability to read meters, gauges, and charts.

Ability to understand and carry out detailed verbal and written instructions.

Ability to prepare and maintain accurate comprehensive reports and detailed records.

Ability to communicate effectively, verbally and in writing.

Ability to maintain effective working relations with other employees, other agencies, and the general public.

MINIMUM REQUIREMENTS

Three (3) years full-time experience maintaining and repairing large diesel powered generator sets, control equipment, and related facilities. Obtain a Class "B" Commercial Driver's License valid for air brakes within 90 days of appointment.

PHYSICAL REQUIREMENTS

Must have the use of sensory skills in order to effectively communicate and interact with other employees and the public through the use of the telephone and personal contact. Continuous walking, moving, climbing, carrying, bending, kneeling, crawling, reaching, and handling, sitting, standing, pushing, and pulling. Ability to lift heavy objects.

SUPERVISION RECEIVED

General and specific assignments are received from a technical supervisor. Work is performed according to established procedures with some latitude for the use of independent judgement in the selection of work methods and is subject to review for achievement of departmental objectives and standards.

SUPERVISION EXERCISED

Plans, evaluates, and supervises the work of skilled, semi-skilled, and unskilled personnel and contractors.

Rev. 3/99 (minimum requirements)

4012 - DIESEL GENERATOR MECHANIC